

# CIVIL SERVICES

## PROPOSED DEVELOPMENT OF THE GRANGER BAY PRECINCT AND LAND RECLAMATION AT THE V&A WATERFRONT

### WATER



Potable water is to be supplied via the City of Cape Town's Molteno distribution zone which has sufficient capacity to meet the estimated average demand (222 kl/d), with future supplementation anticipated from the V&A Waterfront's desalination plant. A key consideration for the future detailed design will be to minimise the consumption of constrained services such as water and electricity.

### ELECTRICITY



Electricity will be provided via a new on-site distribution network linked to existing infrastructure, which the City has confirmed can accommodate the proposed development. The existing 11kV infrastructure will need to be augmented, including substations and points of metering.

### SEWER NETWORK



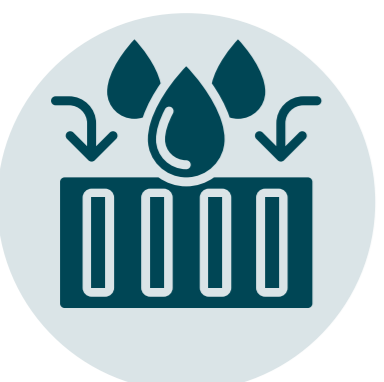
Wastewater will be conveyed to the municipal sewer network within the Green Point Marine Outfall catchment. In the longer term, it may be treated by a new wastewater treatment plant to be constructed by the V&A Waterfront (not part of this EA application). No additional sewer upgrades will be required as the existing municipal sewer network has sufficient capacity to handle the proposed development's anticipated wastewater flow (211 kl/d).

### SOLID WASTE



Solid waste will continue to be processed through the V&A Waterfront's established waste-handling facilities, which currently have sufficient capacity.

### STORMWATER



The existing Granger Bay stormwater system discharges into the Atlantic Ocean via three separate outfalls. Stormwater management will be via underground stormwater networks that discharge into the ocean via extensions or diversions of the existing outfalls. The primary focus of the stormwater management plan is managing the stormwater quality through appropriate treatment and control measures in compliance with municipal requirements.

Water quality amelioration systems proposed include:

- Grassed swales and landscaped areas
- Oil separators
- Silt and litter traps
- Landscaping features